

What is claimed is:-

1. A method of keyless locking of a motor vehicle, having a transponder (30) which exchanges a code with a transceiver (10, 12), having a control unit (14) which compares the code with an expected code and, if a match is found, controls a closing system (24) of the motor vehicle (8) in the sense of locking it, having at least one display means (17, 22) which is activated by the control unit (14), having at least one operating element (16, 18, 32) on whose operation a locking command is generated,

wherein the following steps are carried out:

- in a first step (105) a search signal is delivered by the transceiver (10, 12) when the operating element (16, 18, 32) is actuated in order to determine the position of the transponder (30) on the basis of the code sent back by the transponder (30);
- in a second step (109) the display means (17, 22) is activated when at least one transponder (30) is in the interior of the motor vehicle (8) and/or on the side of the vehicle opposite the actuated operating element (16, 18, 32);
- in a third step (113, 117) the closing system (24) is activated in the sense of locking it when an operating element (16, 18, 32) is actuated again.

2. The method according to Claim 1, wherein in the third step (113, 117) the closing system (24) is activated in the sense of locking the vehicle in such a manner that the vehicle door can be opened only by at least one internal operating element (26) in the interior of the motor vehicle (8).

3. The method according to one of the preceding claims, wherein the closing system (24) is activated in the third step (113, 117) in the sense of locking the vehicle in such a manner that the vehicle door can be opened by the internal operating element (26) only for a period of time.

4. The method according to one of the preceding claims, wherein opening of the vehicle door by the internal operating element (26) is not possible after a period of time has elapsed.

5. The method according to one of the preceding claims,

wherein in the third step (113, 117) transponders (30) recognized in the interior are deactivated so that a code sent by this transponder (30) is not recognized as permissible.

6. The method according to one of the preceding claims,
wherein additional information is stored in a memory (15) on deactivation of the transponders (30) located in the interior of the vehicle.

7. The method according to one of the preceding claims,
wherein activation of the transponders (30) deactivated in the third step (113, 117) takes place on unlocking the closing system (24).

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